

IN THE CLAIMS

Listing of Claims:

1-4. (Cancelled)

5. (Currently Amended) A method of controlling access to data on a computer, the method comprising:

storing a list of valid token values;

~~accepting a request for a data item, wherein the request contains a nonce value, wherein the nonce value comprises a~~ received token value ~~that is only accepted for a specified number of requests;~~

~~determining that the nonce~~ the received token value is within the list of valid token values is valid ~~and has been accepted for fewer than the specified number of requests;~~

removing, in response to determining the received token value has been accepted for the specified number of requests, the received token value from the list of valid token values; and

responding to the request by returning the data item in response to the determining that the nonce received token value is valid within the list of valid token values and has been accepted for fewer than the specified number of requests.

6. (Currently Amended) The method according to claim 5, further comprising:

charging an entity in response to returning the data item in conjunction with the use of the nonce token value.

7. (Currently Amended) The method according to claim 5, wherein ~~the nonce value comprises~~ token values within the list of valid token values and the received token value comprise an expiration time and wherein the determining further determines that the nonce received token value has not expired.

8. (Cancelled)

9. (Currently Amended) The method according to claim 85, wherein the list of ~~stored and valid nonce-token~~ values is shared with an entity that originated the data request.

10-15. (Cancelled).

16. (Currently Amended) A system for controlling access to data on a computer, the system comprising:

a request receiver for accepting a request for a data item, wherein the request ~~contains a nonce value, and wherein the nonce value~~ comprises a token value that is only accepted for a specified number of requests;

a ~~nonce-token~~ verifier storing a list of valid token values, for determining that the ~~nonce-received token~~ value is within the list of valid token values valid and has been accepted for fewer than the specified number of requests, and for removing, in response to determining the received token value has been accepted for the specified number of requests, the received token value from the list of valid token values; and

a response generator for responding to the request by returning the data item in response to the determining that the ~~nonce-received token~~ value is valid within the list of valid token values and has been accepted for fewer than the specified number of requests.

17. (Currently Amended) The system according to claim 16, further comprising:

a billing module for charging an entity in response to returning the data item in conjunction with the use of the ~~nonce-token~~ value.

18. (Currently Amended) The system according to claim 16, wherein the ~~nonce value~~ comprises token values within the list of valid token values and the received token value comprise an expiration time and wherein the ~~nonce-token~~ verifier further determines that the ~~nonce-received token~~ value has not expired.

19. (Cancelled).

20. (Currently Amended) The system according to claim 4916, wherein the stored list of valid ~~nonce~~token values is shared with an entity that originated the data request.

21-26. (Cancelled).

27. (Currently Amended) A computer readable medium including computer instructions for controlling communications access to computer, the computer instructions comprising instructions for:

storing a list of valid token values;

accepting a request for a data item, wherein the request ~~contains a nonce value,~~
~~wherein the nonce~~ value comprises a received token value that is only accepted for a specified number of requests;

determining that ~~the nonce~~ the received token value is within the list of valid token values is valid and has been accepted for fewer than the specified number of requests;

removing, in response to determining the received token value has been accepted for the specified number of requests, the received token value from the list of valid token values; and

responding to the request by returning the data item in response to the determining that the ~~nonce-received token~~ value is valid within the list of valid token values and has been accepted for fewer than the specified number of requests.

28. (Currently Amended) The computer readable medium according to claim 27, further comprising instructions for:

charging an entity in response to returning the data item upon use of the ~~nonce~~ token value.

29. (Currently Amended) The computer readable medium according to claim 27, wherein ~~the nonce value comprises~~ token values within the list of valid token values and the received token value comprise an expiration time and wherein the instructions for determining further comprise instructions for determining that the ~~nonce-received token~~ value has not expired.

30. (Cancelled).

31. (Currently Amended) The computer readable medium according to claim 30~~27~~, wherein the list of ~~stored and valid~~ nonce-token values is shared with an entity that originated the data request.

32-33. (Cancelled).

34. (Currently Amended) The method of claim 5, wherein the nonce-token value is only accepted one time, and wherein the responding to the request is performed in response to the nonce-token value having not been previously accepted.

35. (New) The method of claim 7, further comprising:
periodically generating, with a period, a respective new list of valid token values;
sending, in response to the periodically generating, the new list of stored and valid token values to the associated computer,
wherein a respective expiration time of each token value in the new list of valid token values is based upon the period so as to cause generation of the respective new list of valid token values prior to expiration of previously generated valid token values.

36. (New) The method of claim 5, further comprising:
generating the list of valid token values; and
sending, in response to the generating, the list of valid token values to an associated computer.

37. (New) The method of claim 36, wherein the token value has been signed by the associated computer, and wherein the determining that the token value is valid and has been accepted for fewer than the specified number of requests comprises verifying the signed token value.